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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/691,535	10/24/2003	Clive Bearman	062070-0311796	6874

909   7590   12/23/2009
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ART UNIT	PAPER NUMBER
2442	

MAIL DATE	DELIVERY MODE
12/23/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1.   A request for continued examination under 37 CFR 1.114, including the fee set

forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this

application is eligible for continued examination under 37 CFR 1.114, and the fee set

forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action

has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on

10/8/2009 has been entered.

Claim Rejections - 35 USC § 103

2.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

3.   Claims 1, 3-12, 16-17, 19-27, 30-31, 33-34, 36, 38-41, 53, 55-57, and 63 are

rejected under 35 U.S.C. 103(a) as being unpatentable over Yairi et al (US

2004/0078424), hereinafter referred to as Yairi, in view of Warshavsky et al. (US

7,376,959), hereinafter referred to as Warshavsky, and further in view of Goodman et

al. (US 2004/0019645), hereinafter referred to as Goodman.

    a.   As per claims 1 and 21, Yairi discloses a system and computer-

implemented method for facilitating the exchange of data between a web service and

one or more instant messaging clients comprising:

        a processor configured to:

            receive a user command created using a first instant messaging

client for a first time (Para. 0023-0025, 0037); and

            generate linking information that links the user command to a

corresponding web service command format associated with the web service (Para.

0023-0025, 0027-0029, 0032-0033, 0037);

            receive, after the linking information is generated and stored in the

database, a user command for a second time (Para. 0027-0029, 0032-0033, 0040-

0041); and

            generate the web service command including one or more

parameters and corresponding to the user command in the web service command

format based on the stored linking information (Para. 0032-0033, 0040-0042);

        a web services engine that sends the web service command to the web

service that executes the web service command and receives information associated

with the executed web service command from the web service (Para. 0033); and

            a database that stores the linking information (Para. 0027-0028).

However, the prior art of Yairi fails to explicitly disclose wherein the received user

command additionally specifies with one or more parameters to be included in a web

service command associated with the web service, and wherein the system is

configured to send the received information from the web service to at least one other instant messaging client.

Warshavsky teaches wherein the received user command additionally specifies with one or more parameters to be included in a web service command associated with the web service (Col. 2 lines 31-58). It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the use of the received user command including one or more parameters to be included in a web service command associated with the web service, with the prior art of Yairi. One of ordinary skill in the art would have done so for the purpose of converting between a business system format and a web service format for user-based web service commands (Col. 2 lines 31-58).

Goodman teaches wherein the system is configured to send the received information from the web service to at least one other instant messaging client (Abstract, Figure 6, Para. 0025, 0087 and 0159-0163). It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the act of transmitting information received from a web service to multiple users with the prior art of Yairi. One of ordinary skill in the art would have done so for the purpose of permitting web-service based group publication via a consolidated web services interface (Para. 0025, 0159-0163).

b.   As per claim 3, Yairi discloses wherein the web services engine configured to locate a web services description language file (Para. 0028).

c.   As per claim 4, Yairi discloses wherein the web services engine is configured to retrieve a web service address (Para. 0026 – see discovery).

d.   As per claim 5, Yairi discloses wherein the web services engine is configured to retrieve the web service command format (Para. 0033,0041).

e.   As per claim 6, Yairi discloses wherein the processor is configured to generate linking information that links the user command to a web service description language file (Para. 0027-0029, 0032-0033, 0037, 0041-0042).

f.   As per claim 7, Yairi discloses wherein the processor is configured to generate linking information that links the user command to the web service and the web service command format (Para. 0027-0029, 0032-0033, 0037, 0041-0042).

g.   As per claim 8, Yairi discloses wherein the database is configured to store user information, the user information comprises at least one of user identification and user password (Para. 0025-0026).

h.   As per claim 9, Yairi discloses wherein the database is configured to store user privileges information (Para. 0025-0026).

i.   As per claim 10, Yairi discloses wherein the linking information that links the user command to the web service command format stored in the database comprises a web services description language file location (Para. 0028,0031,0041-0042).

j.   As per claim 11, Yairi discloses wherein the linking information that links the user command to the web service command format stored in the database comprises the web service's address (Para. 0026 – see discovery).

k.   As per claim 12, Yairi discloses wherein the linking information that links
the user command to the web service command format stored in the database
comprises a web service description language file name (Para. 0028,0031,0041-0042).

l.   As per claim 16, Yairi discloses a security and provisioning engine and the
security and provisioning engine is configured to retrieve security information (Para.
0025-0026).

m.   As per claim 17, Yairi discloses wherein the security information includes
user privileges information (Para. 0025-0026).

n.   As per claim 19, Yairi discloses wherein the system interfaces with a
remote database including user security information (Para. 0026).

o.   As per claim 20, Yairi discloses wherein the remote database including the
user security information includes a directory that has information relating to user
privileges (Para. 0025-0026).

p.   As per claim 22, Yairi discloses wherein generating the linking information
that links the user command to web service command format comprises generating
linking information that links the user command to a web service description language
file (Para. 0026,0028,0031,0041-0042).

q.   As per claim 23, Yairi discloses wherein generating the linking that links
the user command to the web service command format comprises locating the web
service's address (Para. 0026).

r.   As per claim 24, Yairi discloses wherein the web service address is a URL
address (Fig. 9-10).

      s.   As per claim 25, Yairi discloses receiving a message from the web service (Para. 0039-0042).

      t.   As per claim 26, Yairi discloses wherein the message received from the web service is a response message (Para. 0039-0042).

      u.   As per claim 27, Yairi discloses sending the message from the web service to one or more users associated with the one or more instant messaging clients (Para. 0039-0042).

      v.   As per claim 30, Yairi discloses storing user information (Para. 0025-0026).

      w.   As per claim 31, Yairi discloses wherein the stored user information includes user command information for at least one of one or more users associated with the one or more instant messaging clients (Para. 0025-0026, 0028-0029).

      x.   As per claim 33, Yairi discloses parsing security information to determine a user's access rights to the web service (Para. 0025-0026).

      y.   As per claim 34, Yairi discloses wherein the security information is stored in a database (Para. 0025-0026).

      z.   As per claim 36, Yairi discloses a program storage device readable by a machine, tangibly embodying a program of instructions executable by a machine to perform method steps of exchanging data between a web service and one or more instant messaging client, the method steps comprising:

receiving an instant messaging message created using a first instant messaging client, the instant messaging message comprising a user command that is received for a first time (Para. 0023-0025, 0027, 0029-0031, 0037-0039);

identifying a web service description language file associated with the user command (Para. 0031);

identifying a web service listed in the web service description language file that is associated with the user command (Para. 0029-0031);

generating linking information that links the user command to a corresponding web service command format associated with the web service (Para. 0023-0025, 0027-0029, 0032-0033, 0037);

receiving, after the linking information is generated and stored in the database, a user command for a second time (Para. 0027-0029, 0032-0033, 0040-0041); and

generating the web service command including one or more parameters and corresponding to the user command in the web service command format based on the stored linking information (Para. 0032-0033, 0040-0042);

a web services engine that sends the web service command to the web service that executes the web service command and receives information associated with the executed web service command from the web service (Para. 0033);

a database that stores the linking information (Para. 0027-0028); and

sending the web service message to the web service according to information provided in the web service description language file (Para. 0029-

0031,0037-0039). However, the prior art of Yairi fails to explicitly disclose wherein the received user command additionally specifies with one or more parameters to be included in a web service command associated with the web service, and wherein the system is configured to send the received information from the web service to at least one other instant messaging client.

Warshavsky teaches wherein the received user command additionally specifies with one or more parameters to be included in a web service command associated with the web service (Col. 2 lines 31-58). It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the use of the received user command including one or more parameters to be included in a web service command associated with the web service, with the prior art of Yairi. One of ordinary skill in the art would have done so for the purpose of converting between a business system format and a web service format for user-based web service commands (Col. 2 lines 31-58).

Goodman teaches wherein the system is configured to send the received information from the web service to at least one other instant messaging client (Abstract, Figure 6, Para. 0025, 0087 and 0159-0163). It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the act of transmitting information received from a web service to multiple users with the prior art of Yairi. One of ordinary skill in the art would have done so for the purpose of permitting web-service based group publication via a consolidated web services interface (Para. 0025, 0159-0163).

aa.   As per claim 38, Yairi discloses receiving a message from a web service (Para. 0039-0042).

bb.   As per claim 39, Yairi discloses wherein the message from the web service is in response to the web service message (Para. 0039-0042).

cc.   As per claim 40, Yairi discloses wherein the message from the web service is forwarded to one or more users (Para. 0039-0042).

dd.   As per claim 41, Yairi discloses storing user information (Para. 0025-0026).

ee.   As per claim 53, Yairi fails to explicitly disclose wherein a user associated with the first instant messaging client directly transmits the information received from the web service to at least one other user via a second instant messaging client.

Goodman teaches wherein a user associated with the first instant messaging client directly transmits the information received from the web service to at least one other user via a second instant messaging client (Abstract, Figure 6, Para. 0025, 0157 and 0159-0163). It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the act of transmitting information received from a web service to multiple users with the prior art of Yairi. One of ordinary skill in the art would have done so for the purpose of permitting web-service based group publication via a consolidated web services interface (Para. 0025, 0157, 0159-0163).

ff.   As per claim 55, Yairi discloses wherein a user associated with the first instant messaging client selects at least one other user to transmit the information received from the web service to (Para. 0023-0025).

ee.   As per claim 56, Yairi discloses wherein the system includes a filter configured to prevent users without user privileges from viewing the information (Para. 0026-0027).

ff.   As per claim 57, Yairi discloses wherein the web service initiates contact with a user associated with the first instant messaging client without prompting from the user (Para. 0031, 0049).

gg.   As per claim 63, Yairi fails to explicitly disclose determination in accordance with the user privileges information, of which user should receive the information from the web service in response to the web service command.

Goodman teaches determination in accordance with the user privileges information, of which user should receive the information from the web service in response to the web service command (Abstract, Figure 6, Para. 0025, 0157 and 0159-0163). It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the use of determination of privilege information for distribution determination with the prior art of Yairi. One of ordinary skill in the art would have done so for the purpose of publishing content only to those users subscribed to receive such publications (Para. 0163).

4.   Claims 14-15, 18, 28-29, 35, and 42 are rejected under 35 U.S.C. 103(a) as

being unpatentable over Yairi, Warshavsky and Goodman in view of Upton (US

2003/0105884).

        a.   As per claims 14 and 28, Yairi, Warshavsky and Goodman teach the

invention substantially as claimed above. However, Yairi fails to explicitly teach the use

of enterprise systems.

                Upton teaches wherein the web service is associated with an enterprise

system (Abstract, Para. 0138,0141). It would have been obvious to one having ordinary

skill in the art at the time the invention was made to incorporate the use of enterprise

systems with web service networks. One of ordinary skill in the art would have been

motivated to do so for the purpose of providing access to large-scale business

applications such as customer relationship management, enterprise resource planning,

and human resources applications (Para. 0141).

        b.   As per claims 15 and 29, Yairi, Warshavsky and Goodman teach the

invention substantially as claimed above. However, Yairi fails to explicitly teach the use

of legacy systems.

                Upton teaches wherein the web service is associated with a legacy

system (Para. 0027,0044, 0132). It would have been obvious to one having ordinary

skill in the art at the time the invention was made to incorporate the use of legacy

systems with web service networks. One of ordinary skill in the art would have been

motivated to do so for the purpose of providing access to legacy mainframe applications

such as CICS (Para. 0027).

c.   As per claims 18,35, and 42 , Yairi, Warshavsky and Goodman teach the

invention substantially as claimed above. However, Yairi fails to explicitly teach the use

of enterprise or legacy systems.

Upton teaches wherein the web service is associated with an enterprise or

legacy system (Abstract, Para. 0027,0044, 0132,0138,0141). It would have been

obvious to one having ordinary skill in the art at the time the invention was made to

incorporate the use of enterprise systems with web service networks. One of ordinary

skill in the art would have been motivated to do so for the purpose of providing access

to large-scale business applications such as customer relationship management,

enterprise resource planning, and human resources applications (Para. 0141) or

providing access to legacy mainframe applications such as CICS (Para. 0027).

Response to Arguments

5.   Applicant's arguments filed 10/8/2009, with respect to the rejection(s) of claim(s)

the prior art of Yairi failing to disclose combining the user command with at least one

input parameter have been fully considered and are persuasive. Therefore, the

rejection has been withdrawn. However, upon further consideration, a new ground(s) of

rejection is made in view of Warshavsky, as outlined above.

In response to applicant's argument that the references fail to show certain

features of applicant's invention, it is noted that the features upon which applicant relies

(i.e., linking a user command to an instant messaging message to a corresponding web

service command format associated with a web service being generated) are not recited

in the rejected claim(s). Although the claims are interpreted in light of the specification,

limitations from the specification are not read into the claims. See *In re Van Geuns*, 988

F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). The instant claims fail to recite that the

linking information that links a user command in an instant messaging message to a

corresponding web service command format *at the time of web service generation*

(emphasis added). Applicant's assertion that the prior art of Yairi fails to disclose that

stored linking information is utilized to generate a web service command corresponding

to the user command in the web service command format is not persuasive, as the prior

art of Yairi explicitly discloses this limitation as cited at Para. 0027 and 0033.

Conclusion

6.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to GRANT FORD whose telephone number is (571)272-

8630. The examiner can normally be reached on 8-5:30 Mon-Thurs alternating Fridays.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Andrew Caldwell can be reached on (571)272-3868. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

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system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/G. F./
Examiner, Art Unit 2442

/Shawki S Ismail/
Primary Examiner, Art Unit 2455